



**ALTERNATE COMPLIANCE PROGRAM
TANKSHIP (OIL)
EXAMINATION BOOK**

| | |
|---|--------------------------|
| Name of Vessel | |
| Official Number | ACP Class Society |
| Date Completed | Location |
| Vessel Built in Compliance with SOLAS: 60 74 74/78 N/A | |
| Exam Type | |
| Annual | Reexamination |
| Inspectors | |
| 1. _____ | 3. _____ |
| 2. _____ | 4. _____ |

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This examination book is intended to be used as a job aid by Coast Guard marine inspectors during annual examinations and reexaminations of U.S. flagged vessels participating in the Alternate Compliance Program (ACP). This book contains an extensive list of possible examination items. It is not, however, the Coast Guard's intention to "inspect" all items listed. The marine inspector must verify that the vessel and its crew are in substantial compliance with international conventions and the requirements of the ACP class society's U.S. Supplement. The depth and scope of the examination must be determined by the marine inspector's observation of the vessel, its equipment, and its crew.

NOTE: Guidance on how to examine ACP vessels can be found in MSM Volume II, Chapter B9: Alternate Compliance Program, and NVIC 2-95, Change 1. All MSM cites listed in this book refer to MSM Volume II unless otherwise indicated.

- ☐ Annual examination and reexamination
- ☒ Annual examination only
- ☐ Expanded examination as required

NOTE: A reexamination normally includes an examination of the vessel's documents, certificates, and licenses, in addition to a "walk-through" of the vessel.

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Section 1: Administrative Items

| | |
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Recommended ACP Vessel Deficiency Procedures:

| Step | Action | | | | | | | | | | | | | | | | |
|------|--|------|--------|---|--------------------------------------|---|--|---|--|------|--------|---|--|---|---------------------------------------|---|--|
| 1 | Identify deficiency. | | | | | | | | | | | | | | | | |
| 2 | Inform vessel representative. | | | | | | | | | | | | | | | | |
| 3 | Record on the <i>Deficiency Summary Worksheet</i> (next page). | | | | | | | | | | | | | | | | |
| 4 | If deficiency is corrected prior to end of exam, go to Step 7. | | | | | | | | | | | | | | | | |
| 5 | <p>If deficiency is unable to be corrected prior to end of exam, follow guidance in the tables below.</p> <p>TABLE 1: Minor deficiency discovered by Coast Guard marine inspector*</p> <table><tr><th>Step</th><th>Action</th></tr><tr><td>1</td><td>Notify ACP class surveyor-in-charge.</td></tr><tr><td>2</td><td>If ACP class surveyor issues an OSR, go to Step 7.</td></tr><tr><td>3</td><td>If ACP class surveyor is not available, issue CG-835 to vessel with copy sent to ACP class surveyor-in-charge. Go to Step 6.</td></tr></table> <p>TABLE 2: Major deficiency that poses a direct and immediate threat to vessel's crew, safety of navigation, or marine environment*</p> <table><tr><th>Step</th><th>Action</th></tr><tr><td>1</td><td>Notify ACP class surveyor-in-charge of deficiency.</td></tr><tr><td>2</td><td>Ascertain proposed corrective action.</td></tr><tr><td>3</td><td>Detain vessel if so determined by OCMI under SOLAS I/19 or MARPOL Article 5.</td></tr></table> <p>* NOTE: Deficiencies shall indicate the item must be completed to the satisfaction of either the OCMI or ACP class society. The OCMI may deny or revoke the COI for noncompliance with the terms and/or conditions of the deficiencies.</p> | Step | Action | 1 | Notify ACP class surveyor-in-charge. | 2 | If ACP class surveyor issues an OSR, go to Step 7. | 3 | If ACP class surveyor is not available, issue CG-835 to vessel with copy sent to ACP class surveyor-in-charge. Go to Step 6. | Step | Action | 1 | Notify ACP class surveyor-in-charge of deficiency. | 2 | Ascertain proposed corrective action. | 3 | Detain vessel if so determined by OCMI under SOLAS I/19 or MARPOL Article 5. |
| Step | Action | | | | | | | | | | | | | | | | |
| 1 | Notify ACP class surveyor-in-charge. | | | | | | | | | | | | | | | | |
| 2 | If ACP class surveyor issues an OSR, go to Step 7. | | | | | | | | | | | | | | | | |
| 3 | If ACP class surveyor is not available, issue CG-835 to vessel with copy sent to ACP class surveyor-in-charge. Go to Step 6. | | | | | | | | | | | | | | | | |
| Step | Action | | | | | | | | | | | | | | | | |
| 1 | Notify ACP class surveyor-in-charge of deficiency. | | | | | | | | | | | | | | | | |
| 2 | Ascertain proposed corrective action. | | | | | | | | | | | | | | | | |
| 3 | Detain vessel if so determined by OCMI under SOLAS I/19 or MARPOL Article 5. | | | | | | | | | | | | | | | | |
| 6 | Enter CG-835 data in MIDR. | | | | | | | | | | | | | | | | |
| 7 | Enter deficiency data in MSDS. | | | | | | | | | | | | | | | | |
| 8 | Initiate Report of Violation (ROV) if necessary. | | | | | | | | | | | | | | | | |

Involved Parties & General Information:

Vessel's Representatives

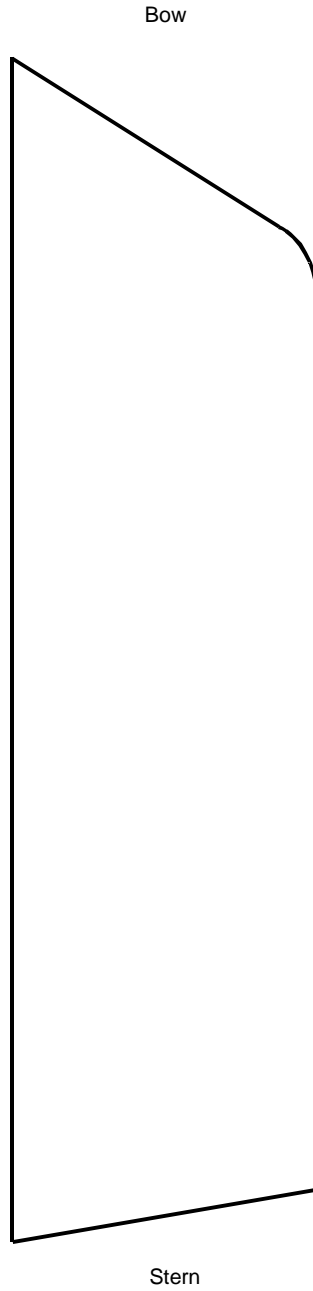
Phone Numbers

Owner—Listed on DOC or COFR

No Change

Operator

No Change



| | |
|--------------------------------|------------------|
| Call Sign | No Change (VFID) |
| Gross Tons | No Change (VFMD) |
| Built Date (use delivery date) | No Change (VFCD) |
| Overall Length (in feet) | No Change (VFMD) |

Vessel Description:

Crude Carrier

Product Carrier

Combination

Oil / Bulk / Ore

Other

Ventilation:

- Proper machinery for cargo carried

46 CFR 32.55-20

| IF vessel carries: | THEN it must have: |
|-----------------------------|--|
| Grades A-E liquid cargoes | <ul style="list-style-type: none"> • P/V valves • Flame screens • Corrosion-free properties • Proper valve material • Proper vent header height above deck • Proper vent header distance from nearest living / work spaces, ventilation inlet, or source of ignition |
| Grades B - E liquid cargoes | <ul style="list-style-type: none"> • Cargo tanks fitted with individual P/V valves or vent header |
| Grades D - E liquid cargoes | <ul style="list-style-type: none"> • Goosenecks • Flame screens |

Notes: _____

| Name of Certificate | Issuing Agency | ID # | Port Issued | Issue Date | Exp. Date | Endors. Date |
|---|----------------|------|-------------|------------|-----------|--------------|
| International Load Line (ILL) No Change | | | | | | |
| International Oil Pollution Prevention w/Form B (IOPP) No Change | | | | | | |
| International Tonnage (ITC) No Change | | | | | | |
| Safety Management (SMC) No Change | | | | | | |
| Document of Compliance (DOC) No Change | | | | | | |

Inert Gas Systems (IGS):

NOTE: Requirements and guidance on inert gas systems is detailed in 46 CFR 32.53, SOLAS 74/78 II-2/62, and MSM Volume II, Chapter C5.

☐ Type of system installed

- Flue gas
- Gas generator
- Nitrogen bottles

☐ Sampling / testing of gas pad

| Tank Number | % Oxygen | OR | % Nitrogen |
|---|----------|----|------------|
| | | | |
| | | | |
| | | | |
| Vessel is gas-free or not carrying cargoes required to be inerted | | | |

☐ Proper operation of IGS components

- Blowers
 - Free from excessive bearing noise and vibration
 - Remote shutdown for IGS blower
- Scrubber room ventilation
- Primary and alternate saltwater scrubber pumps
- Deck seal
 - Water level
 - Automatic filling
 - Open drain cocks on IG main
- Remote operated / automatic control valves
 - Open or closed indicator
- Gauges
 - Calibration of inline O₂ analyzing equipment
 - Check O₂ and pressure level recordings
- Portable instruments calibrated
- IG generator
 - Combustion control system and fuel supply
 - Interlocking of soot blowers (IGS automatically shuts down when soot blowers engaged)

Notes: _____

Pollution Prevention Records:

☐ Current pollution prevention records

- Person-in-charge 33 CFR 155.700
- Transfer equipment tests and inspections 33 CFR 156.170
- Declaration of Inspection 33 CFR 156.150

☐ Proper endorsements for cargo carried

| IF vessel carries: | THEN it must have: | |
|---------------------------|--|----------------------------|
| NLS cargo | <ul style="list-style-type: none"> • An endorsement on TVE, AND • A list of authorized cargoes on TVE | MARPOL Ax. II NVIC 5-87 |
| Category D cargo | <ul style="list-style-type: none"> • An NLS certificate, OR • An endorsement on TVE | 33 CFR 157.35(c) |
| Category C oil-like cargo | <ul style="list-style-type: none"> • An attachment to IOPP certificate, OR • An endorsement on TVE | 33 CFR 157.33 |
| Category D oil-like cargo | <ul style="list-style-type: none"> • An attachment to IOPP certificate, OR • An NLS certificate, OR • An endorsement on TVE | 33 CFR 157.35(d) |

☐ Crude oil washing system

- Required documents 33 CFR 157.118
- Waiver 33 CFR 157.120

☐ Dedicated clean ballast tanks

- Plans and documents 33 CFR 157.202
- Operations manual 33 CFR 157.208
- Required documents 33 CFR 157.216

☐ IOPP certificate items

- Number of slop tanks _____
- Total capacity of slop tanks _____
- Oily residue tank 33 CFR 157.17

Notes: _____

- Human Factors
- STCW Table A-III
- Oil and oily mixtures
 - Responsible officer familiar with handling of sludge and bilge water
 - Quantity of residues generated
 - Capacity of holding tanks
 - Capacity of oil water separator
 - Note any inadequacies in reception facilities used; advise master to report these to flag state
 - Garbage
 - Note any inadequacies in reception facilities used; advise master to report these to flag state
 - Crew familiar with Annex V requirements
- MARPOL Ax. I
- MARPOL Ax. V

Machinery Spaces:

- Test communication between navigating bridge and machinery space
- SOLAS 74/78 II-1/37
- Two means, one of which must be an engine order telegraph
- Emergency source of electrical power
- SOLAS 74/78 II-1/43
SOLAS 74/78 II-1/44
- Location
 - Generator and/or batteries tested under load
 - Emergency lighting
- Main engine / vital auxiliaries (spot-check)
- SOLAS 74/78 II-1/27
- F/O pumps / piping
 - S/W pumps / piping
 - J/W pumps / piping
 - L/O pumps / piping
 - Piston cooling pumps / piping
 - Air compressors / receivers
 - Fuel / oil purifiers
 - H/O heaters / transfer pump

Notes: _____

Section 3: General Examination Items

Navigation Safety:

- ☐ Charts and publications for US waters/
intended voyage
- 33 CFR 164.33
- Current and corrected charts
 - US Coast Pilot
 - Sailing directions
 - Coast Guard Light List
 - Tide tables
 - Tidal current tables
 - International Rules of the Road
 - Inland Rules of the Road
 - International Code of Signals
 - Plotting equipment
- 33 CFR 164.35
- ☐ Radar(s) and ARPA
- 33 CFR 164.35
33 CFR 164.37
33 CFR 164.38
- 2 required if over 10,000 GT
 - Operate independently
 - ARPA acquires targets
- ☐ Compasses
- 33 CFR 164.35
- Illuminated gyrocompass with repeater at stand
 - Illuminated magnetic compass
 - Current deviation table
- ☐ Test electronic depth sounding device and recorder
- 33 CFR 164.35
- Accurate readout
 - Test all transducers
 - Continuous recorder (chart)
- ☐ Electronic position fixing device
- 33 CFR 164.41
- Location accurate

Notes: _____

- Emergency communication equipment
 - 2-way VHF radiotelephone apparatus SOLAS 74/78 III/6.2
 - Radar transponders
 - Survival craft EPIRBs
 - Onboard communication and alarm system SOLAS 74/78 III/6.4
- Line-throwing appliance SOLAS 74/78 III/17.49
 - Specifications and equipment
- Pilot ladders and hoists in good condition SOLAS 74/78 V/17
- Distress signals SOLAS 74/78 III/6.3
 - 12 red rocket parachute flares

Fire Protection:

- Structural fire protection SOLAS 74/78 II-2/42, 43, 44, 46, 47, 49, & 50
 - Bulkheads and decks meet applicable fire integrity requirements
 - Openings (e.g., doors, ductwork, electrical wires, piping, etc.) constructed so that they do not destroy fire resistance of bulkheads
 - Manual and automatic fire doors examined / tested
- Fire detection, fire alarm, and automatic sprinkler systems fitted where required and operating properly SOLAS 74/78 II-2/52
- Ventilation systems SOLAS 74/78 II-2/48
 - Main inlets and outlets of all ventilation spaces can be closed from outside ventilated space
 - Power ventilation capable of being shutdown from outside ventilated space
- Fire pumps SOLAS 74/78 II-2/4
 - Fire main activated; water pressure satisfactory (energize forward-most and highest hydrants)

Notes: _____

- ◇ 9 GHz radar transponder (SART) SOLAS 74/78 III/6.2
NVIC 9-93
 - Vessels > 300 GT and < 500 require 1
 - Vessels > 500 GT require 2
 - Stowed so to be rapidly placed in survival craft, or stowed in survival craft
- ◇ NAVTEX SOLAS 74/78 IV/7.1.4
- ◇ Radio installation SOLAS 74/78 IV/6.2
 - Marked with call sign

General Health and Safety

- Accident Prevention and Occupational Health
 - Rails, guards, protective clothing and equipment, warning signs posted in crew work areas
- Crew accommodations 46 CFR 32.40
 - Habitable conditions
 - Adequate lighting and ventilation
 - Free of cargo and stores
 - Individual berths
- Hospital space 46 CFR 32.40
 - Designated for ships ≥ 500 GT with 15 or more crew on voyage of more than 3 days
 - Not used for stowage or berthing
 - Properly operating toilet
- Galley MSM Ch. B1.N.8
 - Sanitary conditions
 - Adequately equipped to prepare food
 - Mess hall provided for crew
- Muster lists and emergency instructions
 - Available for each person SOLAS 74/78 III/8
 - Posted in conspicuous places
 - Shows crew member duties SOLAS 74/78 III/53

Notes: _____

- Audits
 - Internal audits conducted as specified by SMS
NOTE: Do NOT examine internal audit records.
 - External audit results reviewed
 - Status of open non-conformities relevant to deficiencies leading to detention
 - Status of implementation of corrective and preventative measure
- SMS review conducted by Master in accordance with procedures in SMS
 - Non-conformities identified
 - Report of non-conformity prepared and sent in accordance with procedures established by SMS

Navigation Safety:

- Test navigation equipment listed in Section 3 to the extent necessary to determine if equipment is operating properly.
- Human Factors (spot-check): determine if deck officers are familiar with the following items:
 - Operation of bridge control and navigational equipment
 - Use of nautical publications and charts
 - Ship maneuvering characteristics
 - Lifesaving signals
 - Bridge procedures, instructions, manuals, etc.
 - Changing steering from automatic to manual and vice versa
 - Preparations for arrival and departure
 - Communications with engine room
 - Use of VHF
 - Raising the alarm
 - Abandon ship drill and fire drill

STCW Table A-II
NVIC 3-98

Notes: _____

- ◇ Anchor and windlass (spot-check)
 - Foundations
 - Drive units
 - Guards
 - Covers for moving parts
 - Brake pads
 - Deck fittings
 - Electrical (wiring) or hydraulic piping
- ◇ Mooring winches / capstans
 - Foundations
 - Cables / hooks
 - Boom
 - Brake
 - Electrical (wiring) or hydraulic piping
 - Ladders / rails

Cargo Operations:

- Pumprooms

NOTE: If pumproom is not gas-free, issue requirement to make it available at next U.S. port.

 - Marine Chemist Certificate
 - Chemist No. _____
 - Certificate No. _____
 - Date issued _____
 - Ventilation
 - Electrical installation
 - Fire extinguishing system
 - Potential sources of ignition (gear adrift, product in bilges, rags, paint, cleaning solvents, vapors, etc.)
- External examination of inert gas system
 - Piping and components
 - Scrubber
 - Fans
 - Valves
 - Expansion joints
 - Free of corrosion or leakage

MSM Vol. I Ch.10
Appendix A
MSM Vol. II Ch. A5.H

SOLAS 74/78 II-2/59.3

SOLAS 74/78 II-2/63

46 CFR 32.53
MSM Vol. II Ch. C5

Notes: _____

Section 5: Expanded Examination Items

Manuals and Instructions:

- Check for presence of the following documents
 - Instructions for maintenance and operation of all installations / equipment for fighting and containing a fire SOLAS 74/78 II-2/20
 - Training manual for lifesaving appliances SOLAS 74/78 III/18.2
SOLAS 74/78 III/51
 - Instructions for onboard maintenance of lifesaving appliances SOLAS 74/78 III/19.3
SOLAS 74/78 III/52
 - Stability booklet, associated stability plans and information SOLAS 74/78 II-1/22
ICLL 66 Reg. 10
- Cargo gear certificate
- Grain loading manual SOLAS 74/78 VI/9.1
 - Bulk vessel (stability and grain manuals often combined)
- Human Factors STCW Code
 - Determine if the appropriate crew members are able to understand the information given in manuals, instructions, etc., relevant to the safe condition of the ship and its equipment, and that they are aware of the requirements for maintenance, periodical testing, training, drills, and recording of logbook entries.

Safety Management System (SMS):

NOTE: Requirements and guidance for inspecting vessel Safety Management Systems are detailed in SOLAS 74/78, Chapter IX and NVIC 4-98.

- Documentation (may be in the form of a Safety Management Manual)
 - Controlled documents
 - Quality policy
 - Master of vessel familiar with SMS
 - Language understood by crew
 - Documentation identifies:
 - Written procedures kept on board vessel
 - Essential or critical equipment identified (or a separate manual containing this information)
 - Procedures for reporting non-conformities
 - Company's designated person(s) (name or title, and address)

Notes: _____

- Davit system SOLAS 74/78 III/19.2
SOLAS 74/78 III/48
 - Structure and foundation
 - Roller tracks
 - Lubrication (evidence of use)
 - Falls; end for end / renew (2.5 / 5 years)
 - No obstructions to lowering
- Embarkation area SOLAS 74/78 III/11.7
 - No obstructions
 - Embarkation ladder
 - Launching instructions SOLAS 74/78 III/9
 - Emergency lighting
- Liferrafts SOLAS 74/78 III/19
SOLAS 74/78 III/26
SOLAS 74/78 III/29
 - Required number
 - Stowage
 - Float-free arrangement
 - Hydrostatic release / weak link
 - Annual servicing (hydrostatic release and inflatable liferaft) SOLAS 74/78 III/19.8.1
SOLAS 74/78 III/19.9.1
 - Maximum 17 months
 - Launching instructions posted SOLAS 74/78 III/9
 - Bow / stern station
 - Lashed down on deck or in marked location
 - Lifejackets available
- Lifebuoys (spot-check)
 - Condition SOLAS 74/78 III/19.2
 - Bridge location SOLAS 74/78 III/7.1
 - Quick release system
 - Smoke and light float
 - Deck location
 - 50% with waterlights
 - Retro-reflective tape SOLAS 74/78 III/30.2.7
- Lifejackets—watchstanders and crew (spot-check)
 - Condition SOLAS 74/78 III/19.2
 - Stowage SOLAS 74/78 III/7.2.2
 - Retro-reflective material SOLAS 74/78 III/30.2.7
 - Lights SOLAS 74/78 III/27.2
 - Whistles SOLAS 74/78 III/32.1.6

Notes: _____

◆ **Fire Drill:**

| | |
|-----------------------------|------------------------|
| Properly dressed / equipped | Two jets of water |
| Language understood by crew | Fire doors and dampers |

Location: _____ Time on Scene: _____

Notes:

[illegible]

- Required number of fire pumps SOLAS 74/78 II-2/3
- Location of pumps SOLAS 74/78 II-2/4
- Pumps, hydrants, piping, hoses, and nozzles in good condition and available for immediate use SOLAS 74/78 II-2/21

- Bulkheads
- Insulation
- Ventilation
- Penetrations

- Tanks, cylinders, piping, controls, alarms, and release mechanisms in good condition and available for immediate use

| | | | |
|--|----------------------------------|-------|------|
| Type of system: (circle appropriate type) | | | |
| Low Pressure CO ₂ | High Pressure CO ₂ | Halon | Foam |

☐ Pollution placard posted 33 CFR 155.450

| | |
|--|--|
| <ul style="list-style-type: none"> Shipboard garbage properly disposed Incinerator | <p>MARPOL Ax. V/3</p> <p>33 CFR 151.63</p> |
|--|--|

- Evidence of use (clinkers)
- Safety of burner assembly
- Electrical controls
- Garbage Management Plan

MARPOL A.x. V/9

Notes:
